

| Ref # | Hits  | Search Query   | DBs                        | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|----------------------------|------------------|---------|------------------|
| L1    | 14808 | ((427/508,512,553,558,384,385.5).CCLS.) ((427/162,163.1,164,165).CCLS.) ((427/355,368).CCLS.) ((427/402).CCLS.) ((428/1.1,1.2,1.21,1.25,1.26,1.27,1.28,1.3,1.32).CCLS.) ((252/299.3,299.4,299.5).CCLS.) ((349/96,104,105,106,113,117).CCLS.) ((349/191).CCLS.) ((349/124,126).CCLS.) | US-PGPUB; USPAT            | OR               | ON      | 2005/01/13 10:19 |
| L2    | 17    | L1 and (cholester\$8 same (retard\$8 or compensat\$7)) and (reflect\$5 same wavelength same (band adj width))  | US-PGPUB; USPAT            | OR               | ON      | 2005/01/13 10:24 |
| L3    | 16    | (cholester\$8 same (retard\$8 or compensat\$7)) and (reflect\$5 same wavelength same (band adj width) same (determin\$9 or based or adjust\$6 or optimal\$7 or select\$6 or optimiz\$9))   | US-PGPUB; USPAT            | OR               | ON      | 2005/01/13 10:28 |
| L4    | 19    | (cholester\$8 same reflect\$5 same wavelength same (band adj width) same (determin\$9 or based or adjust\$6 or optimal\$7 or select\$6 or optimiz\$9))   | US-PGPUB; USPAT            | OR               | ON      | 2005/01/13 10:38 |
| L5    | 79    | (cholester\$8 same reflect\$5 near4 (percent or amount or efficiency or fraction) same (determin\$9 or based or adjust\$6 or optimal\$7 or select\$6 or optimiz\$9))   | US-PGPUB; USPAT            | OR               | ON      | 2005/01/13 10:46 |
| L6    | 24    | L5 and L1  | US-PGPUB; USPAT            | OR               | ON      | 2005/01/13 10:43 |
| L7    | 55    | L5 not L6  | US-PGPUB; USPAT            | OR               | ON      | 2005/01/13 10:43 |
| L8    | 143   | (cholester\$8) and (reflect\$5 near4 (percent or amount or efficiency or fraction) near4 (determin\$9 or based or adjust\$6 or optimal\$7 or select\$6 or optimiz\$9))   | US-PGPUB; USPAT            | OR               | ON      | 2005/01/13 10:49 |
| L9    | 30    | L8 and L1  | US-PGPUB; USPAT            | OR               | ON      | 2005/01/13 10:46 |
| L10   | 4     | (cholester\$8) and (reflect\$5 near4 (percent or amount or efficiency or fraction) near4 (determin\$9 or based or adjust\$6 or optimal\$7 or select\$6 or optimiz\$9))   | EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/01/13 10:50 |

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| L11 | 54   | (LC or LCD or (liquid adj crystal\$4)) and (reflect\$5 near4 (percent or amount or efficiency or fraction) near4 (determin\$9 or based or adjust\$6 or optimal\$7 or select\$6 or optimiz\$9))                             | EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/01/13 10:52 |
| L12 | 137  | (LC or LCD or (liquid adj crystal\$4)) same (reflect\$5 near4 (percent or amount or efficiency or fraction) near4 (determin\$9 or based or adjust\$6 or optimal\$7 or select\$6 or optimiz\$9))                            | US-PGPUB; USPAT            | OR | ON  | 2005/01/13 10:53 |
| L13 | 42   | L12 and L1   | US-PGPUB; USPAT            | OR | ON  | 2005/01/13 10:53 |
| L15 | 11   | (Yoon.in.) and (LCD or (liquid adj crystal\$6) or cholesteric or nematic or smectic) and (surfactant or DMSO or amphiphilic or dimethylsiloxane or (dimethyl adj siloxane) or dimethylsiloxane or (dimethyl adj siloxane)) | US-PGPUB; USPAT            | OR | ON  | 2005/01/13 11:05 |
| L17 | 5    | (Yoon) and (LCD or (liquid adj crystal\$6) or cholesteric or nematic or smectic) and (surfactant or amphiphilic or dimethylsiloxane or (dimethyl adj siloxane) or dimethylsiloxane or (dimethyl adj siloxane))             | EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2005/01/13 11:06 |
| L18 | 5948 | (427/508,512,553,558,384,385.5). CCLS.   | US-PGPUB; USPAT; USOCR     | OR | OFF | 2005/01/13 11:06 |
| L19 | 3024 | (427/162,163.1,164,165).CCLS.  | US-PGPUB; USPAT; USOCR     | OR | OFF | 2005/01/13 11:06 |
| L20 | 1094 | (427/355,368).CCLS.  | US-PGPUB; USPAT; USOCR     | OR | OFF | 2005/01/13 11:06 |
| L21 | 1443 | (427/402).CCLS.  | US-PGPUB; USPAT; USOCR     | OR | OFF | 2005/01/13 11:06 |
| L22 | 1273 | (428/1.1,1.2,1.21,1.25,1.26,1.27,1.28,1.3,1.32).CCLS.  | US-PGPUB; USPAT; USOCR     | OR | OFF | 2005/01/13 11:07 |
| L23 | 785  | (252/299.3,299.4,299.5).CCLS.  | US-PGPUB; USPAT; USOCR     | OR | OFF | 2005/01/13 11:07 |
| L24 | 3167 | (349/96,104,105,106,113,117). CCLS.  | US-PGPUB; USPAT; USOCR     | OR | OFF | 2005/01/13 11:07 |

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| L25 | 108   | (349/191).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR     | OR | OFF | 2005/01/13 11:07 |
| L26 | 14808 | ((427/508,512,553,558,384,385.5).<br>CCLS.) ((427/162,163.1,164,165).<br>CCLS.) ((427/355,368).CCLS.)<br>((427/402).CCLS.) ((428/1.1,1.2,1.<br>21,1.25,1.26,1.27,1.28,1.3,1.32).<br>CCLS.) ((252/299.3,299.4,299.5).<br>CCLS.) ((349/96,104,105,106,113,<br>117).CCLS.) ((349/191).CCLS.)<br>((349/124,126).CCLS.)   | US-PGPUB;<br>USPAT               | OR | ON  | 2005/01/13 11:07 |
| L27 | 8     | ((349/191).CCLS.) and<br>((hydrophobi\$7 near4 hydrophili\$7)<br>or surfactant or amphiphilic\$6 or<br>dimethylsiloxane or (dimethyl adj<br>siloxane))   | US-PGPUB;<br>USPAT               | OR | ON  | 2005/01/13 11:07 |
| L28 | 1     | ((427/508,512,553,558,384,385.5).<br>CCLS.) ((427/162,163.1,164,165).<br>CCLS.) ((427/355,368).CCLS.)<br>((427/402).CCLS.) ((428/1.1,1.2,1.<br>21,1.25,1.26,1.27,1.28,1.3,1.32).<br>CCLS.) ((252/299.3,299.4,299.5).<br>CCLS.) ((349/96,104,105,106,113,<br>117).CCLS.) ((349/191).CCLS.)<br>((349/124,126).CCLS.)) and<br>(((liquid adj crystal\$6) or<br>cholesteric or nematic or smectic)<br>with (dimethylsiloxane or (dimethyl<br>adj siloxane)))                                    | US-PGPUB;<br>USPAT               | OR | ON  | 2005/01/13 11:08 |
| L30 | 158   | ((427/508,512,553,558,384,385.5).<br>CCLS.) ((427/162,163.1,164,165).<br>CCLS.) ((427/355,368).CCLS.)<br>((427/402).CCLS.) ((428/1.1,1.2,1.<br>21,1.25,1.26,1.27,1.28,1.3,1.32).<br>CCLS.) ((252/299.3,299.4,299.5).<br>CCLS.) ((349/96,104,105,106,113,<br>117).CCLS.) ((349/191).CCLS.)<br>((349/124,126).CCLS.)) and<br>(((liquid adj crystal\$6) or<br>cholesteric or nematic or smectic)<br>with (surfactant or amphiphilic\$5 or<br>dimethylsiloxane or (dimethyl adj<br>siloxane))) | US-PGPUB;<br>USPAT               | OR | ON  | 2005/01/13 11:08 |
| L31 | 21    | (((liquid adj crystal\$6) or<br>cholesteric or nematic or smectic)<br>same (dimethylsiloxane or<br>(dimethyl adj siloxane) or (air adj<br>interface near2 (align\$5 or<br>agent))))  | EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/01/13 11:12 |
| L33 | 19    | (((liquid adj crystal\$6) or<br>cholesteric or nematic or smectic)<br>same ((air adj interface near2<br>(align\$5 or agent))))   | US-PGPUB;<br>USPAT               | OR | ON  | 2005/01/13 11:12 |

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| L35 | 3    | ((427/508,512,553,558,384,385.5).CCLS.) ((427/162,163.1,164,165).CCLS.) ((427/355,368).CCLS.) ((427/402).CCLS.) ((428/1.1,1.2,1.21,1.25,1.26,1.27,1.28,1.3,1.32).CCLS.) ((252/299.3,299.4,299.5).CCLS.) ((349/96,104,105,106,113,117).CCLS.) ((349/191).CCLS.) ((349/124,126).CCLS.)) and (((liquid adj crystal\$6) or cholesteric or nematic or smectic) same (dimethylsiloxane or (dimethyl adj siloxane)))   | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/01/13 11:14 |
| L36 | 57   | ((liquid adj crystal\$6) or cholesteric or nematic or smectic) same (surfactant or amphiphilic\$5 or dimethylsiloxane or (dimethyl adj siloxane) or (air adj interface near2 (align\$5 or agent)))) same additive   | EPO; JPO;<br>DERWENT;<br>IBM_TDB                        | OR | ON | 2005/01/13 11:14 |
| L37 | 28   | ((LCD or (liquid adj crystal\$4) or nematic or smectic or mesogen\$2 or cholesteric) same (surfactant or additive or DMS or DMSO or (dimethylsiloxane) or (dimethyl adj siloxane) or amphiphil\$6)) and ((surfactant or additive or amphiphil\$6) with (DMS or DMSO or dimethylsiloxane or (dimethyl adj siloxane)))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:15 |
| L39 | 129  | ((LCD or (liquid adj crystal\$4) or nematic or smectic or mesogen\$2 or cholesteric) same (surfactant or additive or DMS or DMSO or (dimethylsiloxane) or (dimethyl adj siloxane) or amphiphil\$6 or leveling)) and ((surfactant or additive or amphiphil\$6 or DMS or DMSO or dimethylsiloxane or (dimethyl adj siloxane)) with (surface or air or interface or nonreact\$4 or (non adj react\$4) or inert))) and (PDMS or PDMSO or (\$5dimethyl adj siloxane) or \$4dimethylsiloxane) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:18 |
| L40 | 4115 | ((cholester\$7) same (surfactant or DMS or DMSO or (dimethylsiloxane) or (dimethyl adj siloxane) or amphiphil\$6 or leveling))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:19 |
| L41 | 4101 | ((cholester\$7) same (surfactant or DMS or DMSO or (dimethylsiloxane) or (dimethyl adj siloxane) or amphiphil\$6 ))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:30 |

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| L42 | 372 | L40 and (LCD or (liquid adj crystal\$5))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:24 |
| L43 | 37  | L42 and L26  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:20 |
| L44 | 53  | L42 and ((align\$4 or orient\$6) adj (film or layer or polyimide))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:33 |
| L45 | 32  | L44 not L43  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:26 |
| L46 | 883 | ((cholester\$7 or nematic or smectic or LCD or (liquid adj crystal\$5)) same (surfactant or DMS or DMSO or (dimethylsiloxane) or (dimethyl adj siloxane) or amphiphil\$6 )) and ((surfactant or DMS or DMSO or (dimethylsiloxane) or (dimethyl adj siloxane) or amphiphil\$6) with (remov\$5 or eliminat\$6 or evaporat\$6)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:31 |
| L47 | 33  | L46 and L26  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:31 |
| L48 | 56  | L46 and ((align\$4 or orient\$6) adj (film or layer or polyimide))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:34 |
| L49 | 40  | L48 not L47  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/01/13 11:34 |